ABSTRACT OF THE DISCLOSURE

In a system having a base station transmitter for transmitting data blocks to one or more mobile stations over a radio link, a method for determining a transmit power level at which to transmit a current block. A quality measurement is received from a mobile station indicating an average radio link quality over a previous group of blocks, wherein not all of the blocks of the previous group of blocks were necessarily transmitted at the same transmit power level. A transmit power attenuation level is determined for the current block based on the quality measurement. The transmit power attenuation level is subtracted from the initial transmit power level to determine the transmit power level for the current block.

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